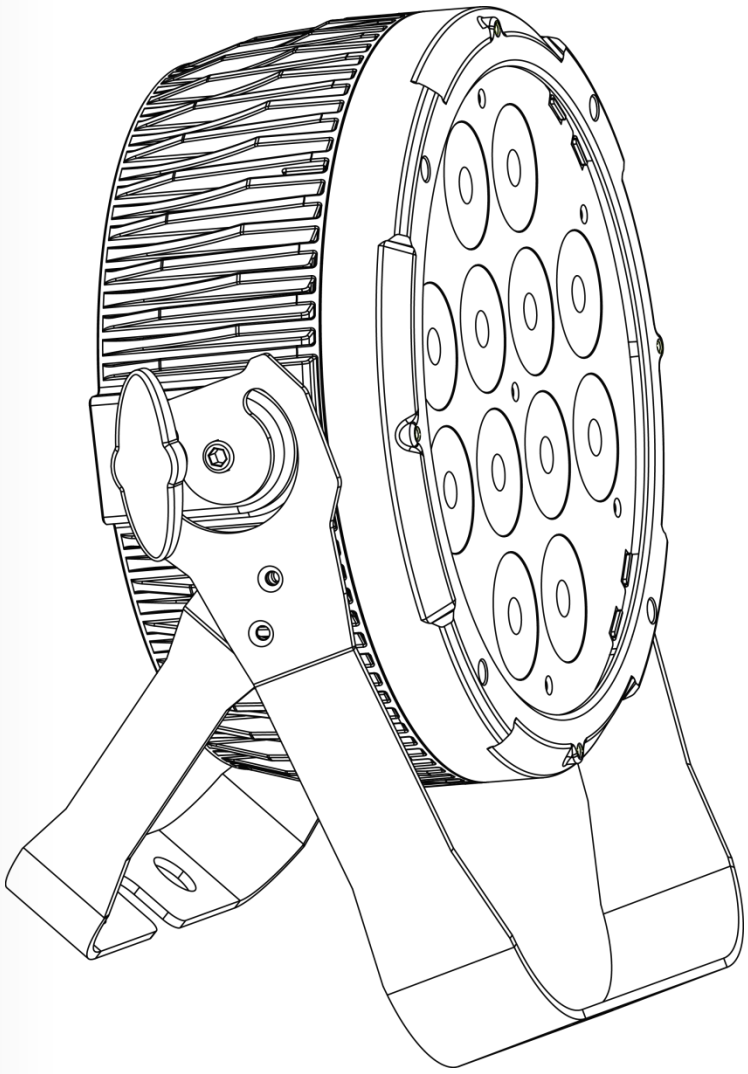
COLORdash™ Par-Hex12

User Manual



CHAUVET® PROFESSIONAL

Edition Notes

The COLORdash™ Par-Hex 12 User Manual Rev. 2 covers the description, safety precautions, installation, programming, operation, and maintenance of the COLORdash™ Par-Hex 12. Chauvet released this edition of the COLORdash™ Par-Hex 12 User Manual in April 2015.

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Document Printing

For better results, print this document in color, on letter size paper (8.5 x 11 in), double-sided. If using A4 paper (210 x 297 mm), configure your printer to scale the content accordingly.

Intended Audience

Any person in charge of installing, operating, and/or maintaining this product should completely read through the guide that shipped with the product, as well as this manual, before installing, operating, or maintaining this product.

Disclaimer

Chauvet believes that the information contained in this manual is accurate in all respects. However, Chauvet assumes no responsibility for any errors or omissions in this document. Chauvet reserves the right to revise and make changes to the content of this document without obligation that Chauvet notify any person or company of such revision or changes. This does not in any way constitute a commitment by Chauvet to make such changes. Chauvet may issue a revision of this manual or a new edition to incorporate such changes.

Document Revision

The COLORdash™ Par-Hex 12 User Manual Rev. 2 supersedes all previous versions of this manual. Discard any older versions of this manual and replace with this version. Go to www.chauvetprofessional.com for the latest version.

Author	Date	Editor	Date
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Table of Contents

1. Before You Begin 1

What Is Included 1
Claims 1
Manual Conventions 1
Symbols 1
Product At A Glance 2
Safety Notes 2
Personal Safety 2
Mounting And Rigging 2
Power And Wiring 2
Operation 2
Expected LED Lifespan 2

2. Introduction 3

Description 3
Features 3
Overview 4
Dimensions 5

3. Setup 6

AC Power 6
AC Plug 6
Fuse Replacement 6
Power Linking 7
DMX Linking 7
DMX Personalities 7
Master/Slave Connectivity 7
Mounting 8
Orientation 8
Rigging 8
Procedure 8

4. Operation 9

Control Panel Description 9
Control Options 9
Programming 9
Menu Map 10
Menu Map (Cont.) 11
Menu Map (Cont.) 12
Configuration (DMX) 13
DMX Personality 13
DMX Control 13
Configuration (Standalone) 14
Fixed Static Color 14
Manual Static Color 14
Auto Programs 14
Master/Slave 14
Dimming Modes 15
White Balance 15
Backlight 15
Product Temperature 15
Software Information 15
Fixture Hours 15
LED Test 15
DMX Values 16

DMX Values (cont.) 17
DMX Values (cont.) 18
5. Technical Information 19
Product Maintenance 19
6. Technical Specifications 20
Returns 21
Contact Us 21

1. BEFORE YOU BEGIN

What Is Included

- COLORdash™ Par-Hex 12
- Neutrik® powerCON® power cord
- Gel frame holder (9.5 in/241 mm accessories)
- Gel frame
- Warranty card
- Quick Reference Guide

Claims

Carefully unpack the product immediately and check the box to make sure all the parts are in the package and are in good condition.

If the box or the contents (the product and included accessories) appear damaged from shipping or show signs of mishandling, notify the carrier immediately, not Chauvet. Failure to report damage to the carrier immediately may invalidate your claim. In addition, keep the box and contents for inspection.

For other issues, such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with Chauvet within 7 days of delivery.

Manual Conventions

Convention	Meaning
1–512	A range of values in the text
50/60	A set of mutually exclusive values in the text
<SET>	A button on the product's control panel
Settings	A product function or a menu option
MENU>Settings	A sequence of menu options
1–10	A range of menu values from which to choose in a menu
Yes/No	A set of two mutually exclusive menu options in a menu
ON	A unique value to be entered or selected in a menu

Symbols

Symbols	Meaning
	Critical installation, configuration, or operation information. Failure to comply with this information may cause the product not to work, damage third-party equipment, or cause harm to the operator.
	Important installation or configuration information. Failure to comply with this information may keep the product from working.
	Useful information.

The term "DMX" used throughout this manual refers to the USITT DMX512-A digital data transmission protocol.

Product At A Glance

Use on Dimmer	X	Auto Programs	P
Outdoor Use	X	Auto-Ranging Power Supply	P
Sound-Activated	X	Replaceable Fuse	P
DMX	P	User-Serviceable	X
Master/Slave	P		

Safety Notes

Read all the following Safety Notes before working with this product. These notes include important information about the installation, usage, and maintenance of this product.

This product contains no user-serviceable parts. Any reference to servicing in this User Manual will only apply to properly trained Chauvet certified technicians. Do not open the housing or attempt any repairs.

All applicable local codes and regulations apply to proper installation of this product.

Personal Safety

- Avoid direct eye exposure to the light source while the product is on.
- Always disconnect this product from its power source before servicing.
- Always connect this product to a grounded circuit to avoid the risk of electrocution.
- Do not touch this product's housing during operation because it may be very hot.

Mounting And Rigging

- Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- CAUTION: When transferring product from extreme temperature environments, (e.g. cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow product to fully acclimate to the surrounding environment before connecting it to power.
- Make sure there are no flammable materials close to this product while it is operating.
- When hanging this product, always secure to a fastening device using a safety cable.

Power And Wiring

- Always make sure you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.
- Never connect this product to a dimmer pack or rheostat.
- Never disconnect this product by pulling or tugging on the power cable.

Operation

- Do not operate this product if you see damage on the housing, lenses, or cables. Have the damaged parts replaced by an authorized technician at once.
- Do not cover the ventilation slots when operating to avoid internal overheating.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate this product at a higher temperature.
- In case of a serious operating problem, stop using this product immediately!

In the unlikely event that your Chauvet product may require service, contact Chauvet Technical Support.

Expected LED Lifespan

LEDs gradually decline in brightness over time, mostly because of heat. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal, single-LED conditions. For this reason, using clustered LEDs at their fullest intensity significantly reduces the LEDs' lifespan. Under normal conditions, this lifespan can be 40,000 to 50,000 hours. If extending this lifespan is vital, lower the operating temperature by improving the ventilation around the product and reducing the ambient temperature to an optimal operating range. In addition, limiting the overall projection intensity may also help to extend the LEDs' lifespan.

2. INTRODUCTION

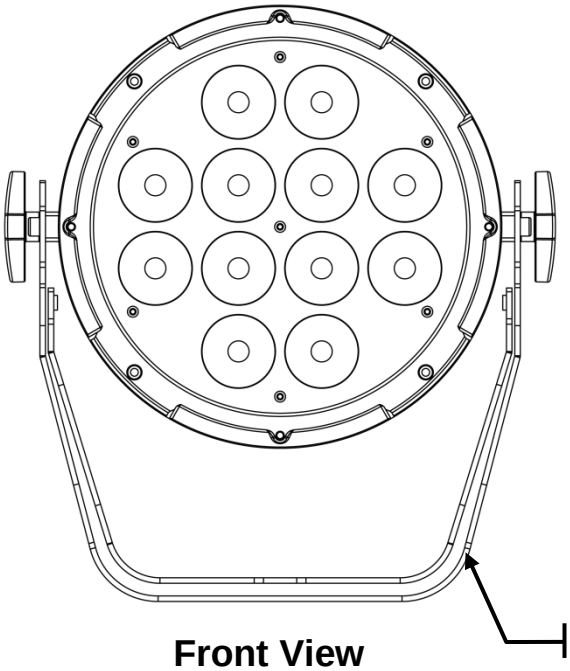
Description

The COLORdash™ Par-Hex 12 is powered by 12 hex-color RGBAW+UV LEDs that project deeply saturated colors, any variation of white, and bold UV, all without multicolor shadows. A split-yoke bracket eliminates the need for floor stands. Power linking, Neutrik® powerCON® power input/output as well as 3- and 5-pin DMX connectors are also included. The COLORdash™ Par-Hex 12 also includes a gel frame holder.

Features

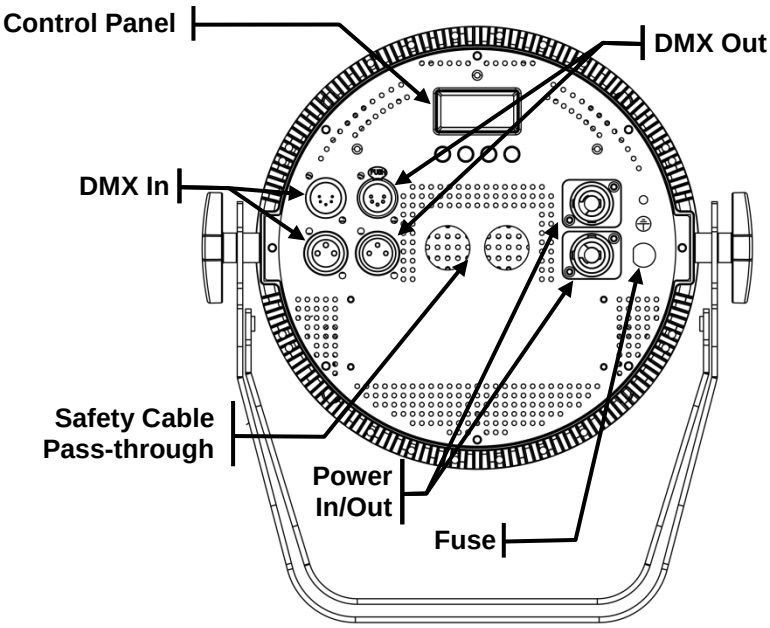
- 3-, 6-, 8-, 12-, or 13-channel hex-color LED wash product
- Operating modes:
  - 3-channel: HSI control
  - 3-channel: HSV control
  - 6-channel: RGBAW+UV
  - 8-channel: RGBAW+UV, dimmer, strobe
  - 12-channel: RGBAW+UV, dimmer, strobe, macro, auto programs, dimmer speed, auto speed
  - 13-channel: 16-bit RGBAW+UV, dimmer speed
- RGBAW+UV color mixing with or without DMX controller
- Built-in automated programs via Master/Slave, DMX
- Recall custom programs via Master/Slave or DMX
- Four distinct dimming curves
- RGBAW+UV hex-color LEDs
- Electronic dimmer
- Electronic power supply
- Maximum output: 17 products @ 120 VAC or 30 products @ 230 VAC
- 3- and 5-pin DMX input and output connectors

Overview

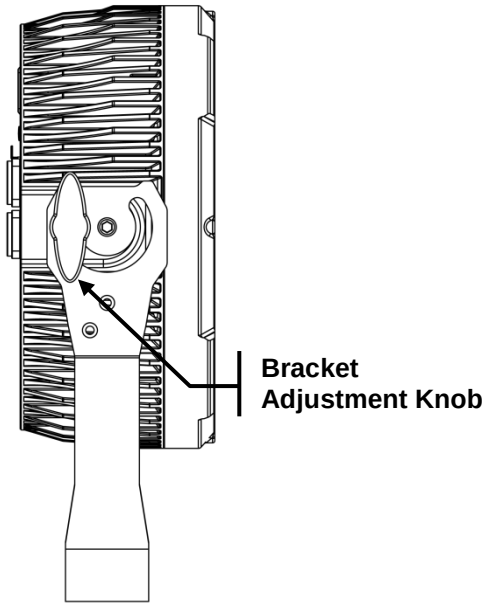


Front View

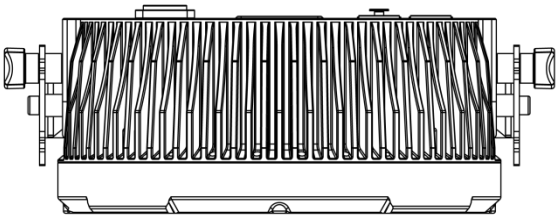
Double-Yoke Bracket



Rear View

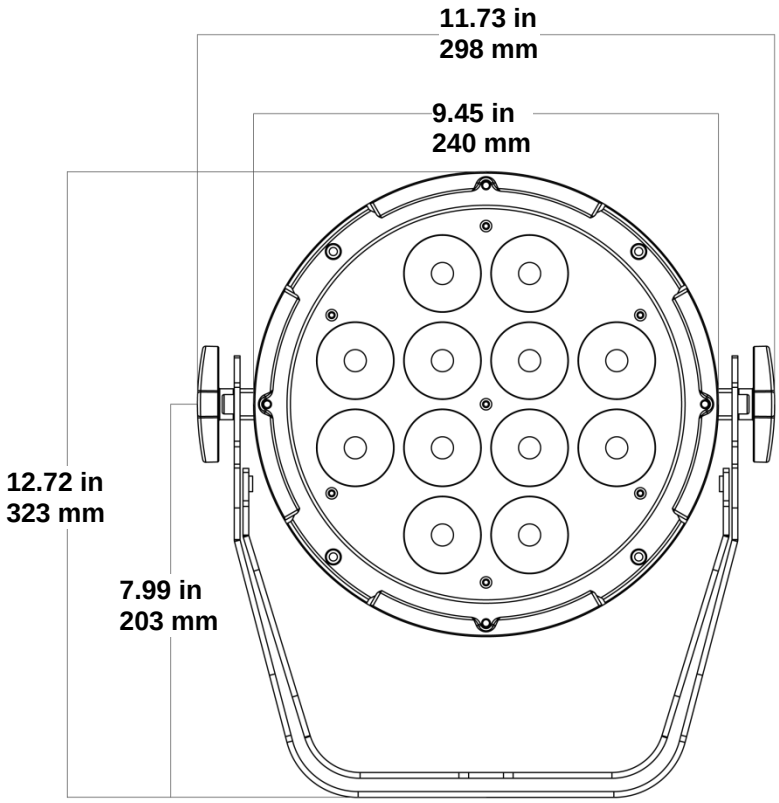


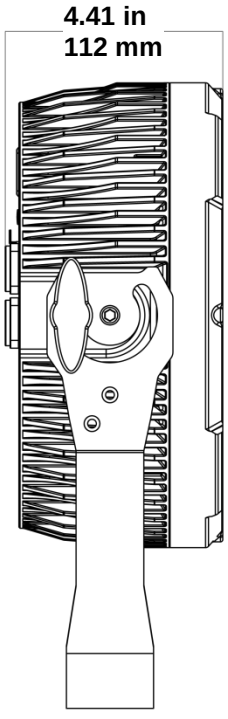
Side View



Top View

Dimensions


11.73 in
298 mm
9.45 in
240 mm
12.72 in
323 mm
7.99 in
203 mm


4.41 in
112 mm

3. SETUP

AC Power

Each COLORdash™ Par-Hex 12 has an auto-ranging power supply that works with an input voltage range of 100 to 240 VAC, 50/60 Hz. To determine the power requirements for each COLORdash™ Par-Hex 12, refer to the label affixed to the product. You can also refer to the Technical Specifications chart in this manual.
The listed current rating indicates the maximum current draw during normal operation. For more information, you may download Sizing Circuit Breakers from the Chauvet website: www.chauvetprofessional.com.

- **Always connect this product to a protected circuit with an appropriate electrical ground to avoid the risk of electrocution or fire.**
- **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**

Never connect this product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

AC Plug

The COLORdash™ Par-Hex 12 comes with a Neutrik® powerCON A connector on one end and an Edison plug on the other end (US market). If the power cord adapter that came with your product has no plug or you need to change the Edison plug, use the table below to wire the new plug.

Connection	Wire (U.S.)	Wire (Europe)	Screw Color
AC Live	Black	Brown	Yellow or Brass
AC Neutral	White	Blue	Silver
AC Ground	Green/Yellow	Green/Yellow	Green

Fuse Replacement

1. Disconnect this product from the power outlet.
2. Using a flat-head screwdriver, unscrew the fuse holder cap from the housing.
3. Remove the blown fuse and replace with a another fuse of the same type and rating (T 2 A, 250 V).
4. Screw the fuse holder cap back in place and reconnect power.

Make sure to disconnect the product's power cord before replacing a blown fuse. Always replace the blown fuse with another of the same type and rating.

Power Linking

The COLORdash™ Par-Hex 12 supports power linking. You can power link up to 17 products at 120 V; up to 27 at 208 V; or up to 30 at 230 V.
This product comes with a power input cord. Power linking cables are available from Chauvet for purchase.

DMX Linking

You can link the COLORdash™ Par-Hex 12 to a DMX controller using a 3- or 5-pin DMX connection. If using other DMX compatible products with the COLORdash™ Par-Hex 12, you can control each individually with a single DMX controller.

DMX Personalities

The COLORdash™ Par-Hex 12 uses a 3- or 5-pin DMX data connection with its DMX personalities.

- Refer to the Introduction chapter for a brief description of each DMX personality.
- Refer to the Operation chapter to learn how to configure the COLORdash™ Par-Hex 12 to work in these personalities.
- The DMX Values section provides you with detailed information regarding the DMX personalities.

Master/Slave Connectivity

The Master/Slave mode allows a COLORdash™ Par-Hex 12 (the master) to control one or more COLORdash™ Par-Hex 12s (the slaves) without a DMX controller. One COLORdash™ Par-Hex 12 becomes the master when running an Auto or Custom program, or by being in a Static mode.
You must configure each slave's control panel to operate in Slave mode. During Master/Slave operation, the slaves will operate in unison with the master.

DO NOT connect a DMX controller to products operating in Master/Slave mode. The DMX controller signals may interfere with the signals from the master.

The Operation section of this manual provides detailed instructions on how to configure the master and slaves.

If you are not familiar with or need more information about DMX standards, Master/Slave connectivity, or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the Chauvet website: www.chauvetprofessional.com.

Mounting

Before mounting this product, read and follow the Safety Notes. For our CHAUVET® Professional line of mounting clamps, go to http://trusst.com/products/.

Orientation

Always mount this product in a safe position and make sure there is adequate room for ventilation, configuration, and maintenance.

Rigging

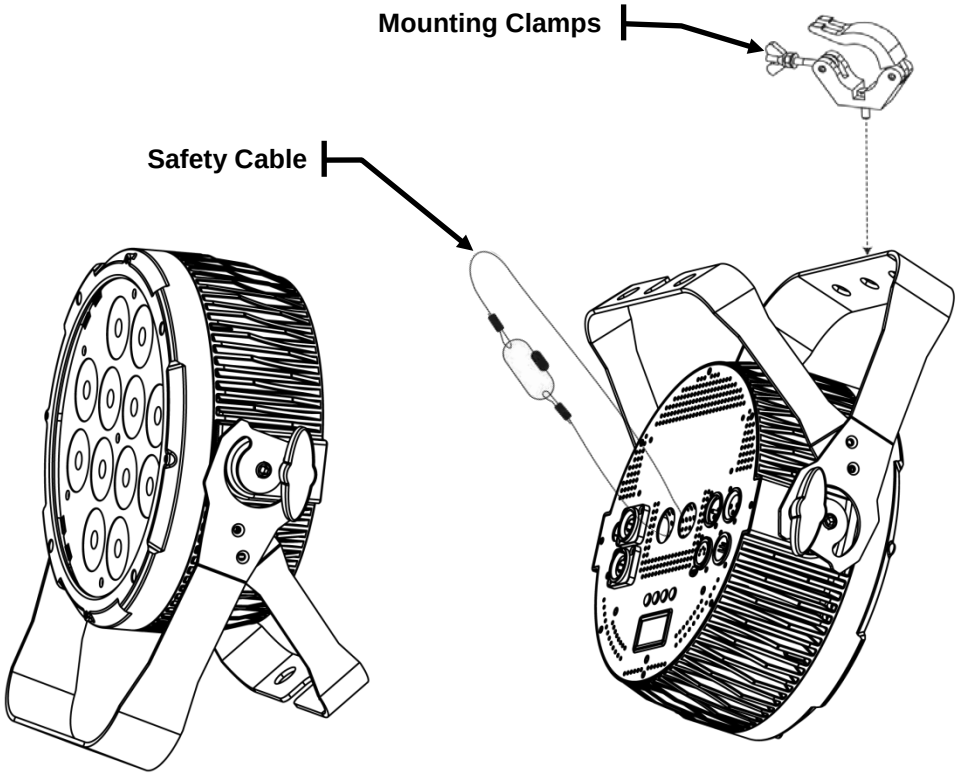
Chauvet recommends using the following general guidelines when mounting this product.

- When selecting an installation location, consider easy access to this product for operation, programming adjustments, and routine maintenance.
- Make sure to mount this product away from any flammable material as indicated in the Safety Notes.
- Never mount in places where rain, high humidity, extreme temperature changes, or restricted ventilation may affect the product.
- If hanging this product, make sure that the mounting location can support the product's weight. See the Technical Specifications for the weight-bearing requirements of this product.
- When hanging this product, always secure to a fastening device using a safety cable.

Procedure

The COLORdash™ Par-Hex 12 comes with a double-yoke bracket to which you can either attach mounting clamps for hanging or simply use as a floor stand. You must supply your own mounting clamps. Make sure the clamps are capable of supporting the weight of this product. Use at least one mounting point per product.

Mounting Diagram



Floor Mounting **Overhead Mounting**

4. OPERATION

Control Panel Description

Button	Function
<MENU>	Exits from the current menu or function
<ENTER>	Enables the currently displayed menu or sets the currently selected value in to the current function
<UP>	Navigates upward through the menu list or increases the numeric value when in a function
<DOWN>	Navigates downward through the menu list or decreases the numeric value when in a function

Control Options

You can set the COLORdash™ Par-Hex 12 starting address in the **001**–**512** DMX range. This enables control of up to 39 products in the 13-channel **13Ch** personality.

Programming

Refer to the Menu Map to understand the menu options. The menu map shows the main level and a variable number of programming levels for each option.

- To go to the desired main level, press **<MENU>** repeatedly until the option shows on the display. Press **<ENTER>** to select. This will take you to the first programming level for that option.
- To select an option or value within the current programming level, press **<UP>** or **<DOWN>** until the option shows on the display. Press **<ENTER>** to select. In this case, if there is another programming level, you will see that first option, or you will see the selected value.
- Press **<MENU>** repeatedly to exit to the previous main level.

Menu Map

Main Level	Programming Levels			Description
Auto	**Auto 0–4**	**Speed**	**0–100**	Automatic programs
Static	**Fix C**	**R**		Red
		G		Green
		B		Blue
		A		Amber
		W		White
		P		Ultraviolet (UV)
		RG		Red/Green
		RB		Red/Blue
		RA		Red/Amber
		RW		Red/White
		RP		Red/UV
		GB		Green/Blue
		GA		Green/Amber
		GW		Green/White
		GP		Green/UV
		BA		Blue/Amber
		BW		Blue/White
		BP		Blue/UV
		AW		Amber/White
		AP		Amber/UV
		WP		White/UV
		RGB		Red/Green/Blue
		RGA		Red/Green/Amber
		RGW		Red/Green/White
		RGP		Red/Green/UV
		RBA		Red/Blue/Amber
		RBW		Red/Blue/White
		RBP		Red/Blue/UV
		RAW		Red/Amber/White
		RAP		Red/Amber/UV
		RWP		Red/White/UV
		GBA		Green/Blue/Amber
		GBW		Green/Blue/White
		GBP		Green/Blue/UV
		BAW		Blue/Amber/White
		BAP		Blue/Amber/UV
		AWP		Amber/White/UV

Menu Map (Cont.)

Main Level	Programming Levels				Description
Static (cont.)	Fix C (cont.)		BWP		Blue/White/UV
			GAW		Green/Amber/White
			GAP		Green/Amber/UV
			GWP		Green/White/UV
			RGBA		Red/Green/Blue/Amber
			RGBW		Red/Green/Blue/White
			RGBP		Red/Green/Blue/UV
			RGAW		Red/Green/Amber/White
			RGAP		Red/Green/Amber/UV
			RGWP		Red/Green/White/UV
			RBAW		Red/Blue/Amber/White
			RBAP		Red/Blue/Amber/UV
			RBWP		Red/Blue/White/UV
			RAWP		Red/Amber/White/UV
			GBAW		Green/Blue/Amber/White
			GBAP		Green/Blue/Amber/UV
			GBWP		Green/Blue/White/UV
			GAWP		Green/Amber/White/UV
			BAWP		Blue/Amber/White/UV
			RGBAW		Red/Green/Blue/Amber/White
			RGBAP		Red/Green/Blue/Amber/UV
			RGBWP		Red/Green/Blue/White/UV
			RGAWP		Red/Green/Amber/White/UV
			RBAWP		Red/Blue/Amber/White/UV
			GBAWP		Green/Blue/Amber/White/UV
			RGBAWP		Red/Green/Blue/Amber/White/UV
	Manu C	R	Value	0–255	Combine red, green, blue, amber, white, and ultraviolet to make a custom color (0–100%)
		G			
		B			
		A			
		W			
		P			
Dim Mode	Off				No dimmer
	DIM 1–3				Dimming curves **DIM 1** (fast) to **DIM 3** (slow)

Menu Map (Cont.)

Main Level	Programming Levels			Description
BackLite	10S			Turns off display backlight after 10 sec of inactivity
	20S			Turns off display backlight after 20 sec of inactivity
	30S			Turns off display backlight after 30 sec of inactivity
	On			Display backlight always on
Info	Auto	Test		Turns on all LEDs in sequence for testing
	FixHours			Shows total product hours
	Version			Shows installed software version
Address	001–512			Selects DMX address (highest channel restricted to personality chosen)
Channel	6 Ch			6-channel: RGBAW+UV control
	8 Ch			8-channel: RGBAW+UV control, dimmer, and strobe
	12Ch			12-channel: RGBAW+UV control, dimmer, strobe, color macro/white balance, auto programs, auto speed, dimmer speed
	13Ch			13-channel: 16-bit RGBAW+UV, dimmer speed
	HSV			3-channel: HSV control
	HSI			3-channel: HSI control
M&S Mode	Master			DMX mode (Master)
	Slave			Slave mode
White Balance	R	Value	125–255	Sets red LED maximum value
	G			Sets green LED maximum value
	B			Sets blue LED maximum value
Temp	XX° C			Shows product's temperature (°C)

Configuration (DMX)

Use DMX configurations to operate the product with a DMX controller.

DMX Personality

This setting allows you to choose a particular DMX personality.

1. Go to the **Channel** main level.
2. Select the desired personality (**6 Ch**, **8 Ch**, **12Ch**, **13Ch**, **HSV** or **HSI**).

- **See the DMX Values section for the highest starting address you can select for each personality.**
- **Make sure that the starting addresses on the various products do not overlap due to the new personality setting.**

DMX Control

In this mode, each product will respond to a unique starting address from the DMX controller. All products with the same starting address will respond in unison.

1. Select a DMX personality as shown in DMX Personality.
2. Set the starting address:
3. Go to **Address** main level.
4. Select the starting address (**001–510**).

The highest recommended starting address for each DMX mode is as follows:

DMX Mode	DMX Address	DMX Mode	DMX Address	DMX Mode	DMX Address
6 Ch	507	**8 Ch**	505	**12Ch**	501
13Ch	500	**HSV**	510	**HSI**	510

Configuration (Standalone)

Use standalone configuration to operate the product without a DMX controller.

Fixed Static Color

The Fixed Static Color mode allows for preset RGBAW+UV color mixing without a DMX controller.

1. Go to the **Static** main level.
2. Select the **Fix C** programming level.
3. Select the desired color combination. See Menu Map.

Manual Static Color

The Manual Static Color mode allows for manually customizable RGBAW+UV color mixing without a DMX controller.

1. Go to the **Static** main level.
2. Select the **Manu C** programming level.
3. Select the desired color **R**, **G**, **B**, **A**, **W** or **P** (UV).
4. Go to the **Value** programming option.
5. Select the desired color value **0–255** (0–100%).
6. Repeat for the other colors.

Auto Programs

Auto programs allow for dynamic RGBAW+UV color mixing without a DMX controller.

1. Go to the **Auto** main level.
2. Select the desired auto (**Auto 0–4**) program.
3. Go to the **Speed** programming level.
4. Select the desired speed **0–100**.

You cannot edit any of the auto programs (Auto 0–4).

Master/Slave

The Master/Slave mode allows a group of COLORdash™ Par-Hex 12s (the slaves) to simultaneously duplicate the output of another COLORdash™ Par-Hex 12 (the master) without a DMX controller.

1. Set each of the slaves:
   a. Go to the **M & S Mode** main level.
   b. Select **Slave**.
2. Set the master:
   a. Go to the **M & S Mode** main level.
   b. Select **Master**.
   c. Select an auto program as explained in Auto Programs, or a static mix of colors as explained in Fixed Static Color or Manual Static Color.

- **The master is the one that runs a program whether in one of the Static Color modes or Auto programs.**
- **Do not connect a DMX controller to the products configured for Master/Slave operation. The DMX controller may interfere with signals from the master.**
- **The master should be the first product in the daisy chain.**

Dimming Modes

This setting provides three different options to simulate the dimming curve of an incandescent lighting product.

1. Go to the **Dim Mode** main level.
2. Select a dimmer curve (**OFF**, **DIM1**, **DIM2**, or **DIM3**).

OFF: The output is proportional (linear) to the dimmer.

DIM 1–3: The output follows the dimmer based on the corresponding dimmer curve, **DIM 1** being the fastest and **DIM 3** the slowest.

White Balance

This setting allows you to select the white color shown by the COLORdash™ Par-Hex 12 by adjusting the red, green, and blue maximum values.

1. Go to the **White Balance** main level.
2. Select a color **R**, **G**, or **B**.
3. Go to the **Value** programming level.
4. Select a color value (**125–255**).
5. Repeat for the other colors.

When adjusting the white balance, you will only be able to define the values of red, green, and blue.

Backlight

This setting allows you to set the amount of time the backlight on the COLORdash™ Par-Hex 12's display stays on after the last button is pressed on the control panel.

1. Go to the **BackLite** main level.
2. Select **On** (remains on), **10S** (10 seconds), **20S** (20 seconds), or **30S** (seconds).

Product Temperature

This option shows the temperature (°C) of the COLORdash™ Par-Hex 12.

· Go to the **Temp** main level.

Software Information

This option shows what version of software the COLORdash™ Par-Hex 12 is running.

1. Go to the **Info** main level.
2. Select **Version** and the version number will show on the display.

Fixture Hours

This option shows the total amount of hours the COLORdash™ Par-Hex 12 has been turned on.

1. Go to the **Info** main level.
2. Select **FixHours** and the total number of hours will show on the display.

LED Test

This option runs a check of the LEDs on the COLORdash™ Par-Hex 12 by turning on all the LEDs in sequence.

1. Go to the **Info** main level.
2. Go to the **Auto** programming level.
3. Go to the **Test** programming level.

DMX Values

HSV

Channel	Function	Value	Percent/Setting
1	Hue	000 ó 255	0–100%
2	Saturation	000 ó 255	0–100%
3	Value	000 ó 255	0–100%

HSI

Channel	Function	Value	Percent/Setting
1	Hue	000 ó 255	0–100%
2	Saturation	000 ó 255	0–100%
3	Intensity	000 ó 255	0–100%

6 Ch

Channel	Function	Value	Percent/Setting
1	Red	000 ó 255	0–100%
2	Green	000 ó 255	0–100%
3	Blue	000 ó 255	0–100%
4	Amber	000 ó 255	0–100%
5	White	000 ó 255	0–100%
6	UV	000 ó 255	0–100%

8 Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ó 255	0–100%
2	Red	000 ó 255	0–100%
3	Green	000 ó 255	0–100%
4	Blue	000 ó 255	0–100%
5	Amber	000 ó 255	0–100%
6	White	000 ó 255	0–100%
7	UV	000 ó 255	0–100%
8	Strobe	000 ó 010 011 ó 255	No function Slow to fast

DMX Values (cont.)

13Ch

Channel	Function	Value	Percent/Setting
1	**Red**	000 ó 255	0–100%
2	**Fine Red**	000 ó 255	Fine control (16-bit)
3	**Green**	000 ó 255	0–100%
4	**Fine Green**	000 ó 255	Fine control (16-bit)
5	**Blue**	000 ó 255	0–100%
6	**Fine Blue**	000 ó 255	Fine control (16-bit)
7	**Amber**	000 ó 255	0–100%
8	**Fine Amber**	000 ó 255	Fine control (16-bit)
9	**White**	000 ó 255	0–100%
10	**Fine White**	000 ó 255	Fine control (16-bit)
11	**UV**	000 ó 255	0–100%
12	**Fine UV**	000 ó 255	Fine control (16-bit)
13	**Dimmer Speed**	000 ó 051 052 ó 101 102 ó 152 153 ó 203 204 ó 255	Preset dimmer speed from display menu Dimming curve off (linear dimmer) Nonlinear dimming curve 1 (fastest) Nonlinear dimming curve 2 Nonlinear dimming curve 3 (slowest)

DMX Values (cont.)

12Ch

Channel	Function	Value	Percent/Setting
1	**Dimmer**	000 ó 255	0–100%
2	**Red**	000 ó 255	0–100%
3	**Green**	000 ó 255	0–100%
4	**Blue**	000 ó 255	0–100%
5	**Amber**	000 ó 255	0–100%
6	**White**	000 ó 255	0–100%
7	**UV**	000 ó 255	0–100%
8	**Strobe**	000 ó 010 011 ó 255	No function Slow to fast
9	**Color Macro + White Balance**	000 ó 010 011 ó 030 031 ó 050 051 ó 070 071 ó 090 091 ó 110 111 ó 130 131 ó 150 151 ó 170 171 ó 200 201 ó 205 206 ó 210 211 ó 215 216 ó 220 221 ó 225 226 ó 230 231 ó 235 236 ó 240 241 ó 245 246 ó 250 251 ó 255	No function R: 100% G: 0–100% B: 0 R: 100%–0 G: 100% B: 0 R: 0 G: 100% B: 0–100% R: 0 G: 100%–0 B: 100% R: 0–100% G: 0 B: 100% R: 100% G: 0 B: 100%–0 R: 100% G: 0–100% B: 0–100% R: 100%–0 G: 100%–0 B: 100% R: 100% G: 100% B: 100% A: 100% White 1 White 2 White 3 White 4 White 5 White 6 White 7 White 8 White 9 White 10 White 11
10	**Auto Programs**	000 ó 010 011 ó 060 061 ó 120 121 ó 180 181 ó 240 241 ó 255	No function Auto program 1 Auto program 2 Auto program 3 Auto program 4 Auto program 0 (Auto 1–4)
11	**Auto Speed**	000 ó 255	Slow to fast (when channel 10 is 011–255)
12	**Dimmer Speed**	000 ó 051 052 ó 101 102 ó 152 153 ó 203 204 ó 255	Preset dimmer speed from display menu Dimming curve off (linear dimmer) Nonlinear dimming curve 1 (fastest) Nonlinear dimming curve 2 Nonlinear dimming curve 3 (slowest)

5. TECHNICAL INFORMATION

Product Maintenance

To maintain optimum performance and minimize wear, you should clean this product frequently. Usage and environment are contributing factors in determining the cleaning frequency.

As a rule, clean this product at least twice a month. Dust build-up reduces light output performance and can cause overheating. This can lead to reduced light source life and increased mechanical wear.

To clean your product:

1. Unplug the product from power.
2. Wait until the product is at room temperature.
3. Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external vents.
4. Clean all external surfaces with a mild solution of non-ammonia glass cleaner or isopropyl alcohol.
5. Apply the solution directly to a soft, lint-free cotton cloth or a lens cleaning tissue.
6. Wipe any dirt or grime to the outside edges of the lens surface.
7. Gently polish the lens surfaces until they are free of haze and lint.

Always dry the external surfaces thoroughly and carefully after cleaning them.

Do not spin the cooling fans while blowing compressed air into them.

6. TECHNICAL SPECIFICATIONS

Dimensions and Weight	**Length**	**Width**	**Height**	**Weight**
	4.41 in (112 mm)	11.73 in (298 mm)	12.72 in (323 mm)	10 lb (4.54 kg)
	Note: Dimensions in inches rounded to the nearest decimal digit.			
Power	**Power Supply Type**	**Range**	**Voltage Selection**	
	Switching (internal)	100–240 VAC, 50/60 Hz	Auto-ranging	
	Parameter	**120 VAC, 60 Hz**	**230 VAC, 50 Hz**	
	Consumption	96 W	95 W	
	Current	0.80 A	0.44 A	
	Power linking current (products)	13.6 A (17 products)	13.6 A (30 products)	
	Fuse/Breaker	T 2 A, 250 V	T 2 A, 250 V	
	Power I/O	**U.S./Canada**	**Worldwide**	
	Power input connector	Neutrik® powerCON® A	Neutrik® powerCON® A	
	Power output connector	Neutrik® powerCON® B	Neutrik® powerCON® B	
	Power cord plug	Edison (U.S.)	Local plug	
Light Source	**Type**	**Power**	**Lifespan**	
	LED	10 W	50,000 hours	
	Color	**Quantity**	**Current**	
	Hex-color (RGBAW+UV)	12	2.3 A	
Photometrics	**Parameter**	**Standard 25º Optics**		
	Illuminance @ 5 m	927 lux		
	Beam angle	20°		
	Field angle	30°		
Thermal	**Max. External Temperature**	**Cooling System**		
	113 °F (45 °C)	Convection		
DMX	**I/O Connectors**	**Connector Type**	**Channel Range**	
	3- and 5-pin XLR	Sockets	3, 6, 8, 12 or 13	
Ordering	**Product Name**	**Item Code**	**UPC Number**	
	COLORdash™ Par-Hex 12	03030807	781462211554	

UL 1573
CSA C22.2 No. 166
E113093

RoHS

Returns

You must send the product prepaid, in the original box, and with the original packing and accessories. Chauvet will not issue call tags.
Call Chauvet and request a Return Merchandise Authorization (RMA) number before shipping the product. Be prepared to provide the model number, serial number, and a brief description of the cause(s) for the return.
Clearly label the package with an RMA number. Chauvet will refuse any product returned without an RMA number.

DO NOT write the RMA number directly on the box. Instead, write it on a properly affixed label.

Once you have received the RMA number, include the following information on a piece of paper inside the box:

- Your name
- Your address
- Your phone number
- The RMA number
- A brief description of the problem(s)

Be sure to pack the product properly. Any shipping damage resulting from inadequate packaging will be the customer's responsibility. FedEx packing or double-boxing is recommended.

Chauvet reserves the right to use its own discretion to repair or replace returned product(s).

CONTACT US

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Outside the U.S., United Kingdom, Ireland, Mexico, or Benelux contact the dealer of record. Follow their instructions to request support or to return a product. Visit our website for contact details.